

BI-WEEKLY PROGRESS REPORT NO. 10

**OLD ROOSEVELT FIELD CONTAMINATED GROUNDWATER AREA SITE
REMEDIAL ACTION - PHASE 1, WELL INSTALLATION
GARDEN CITY, NASSAU COUNTY, NEW YORK**

Prepared for:
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EPA Work Assignment No.	: 023-RARA-02PE
EPA Region	: 2
Contract No.	: EP-W-09-002
CDM Federal Programs Corporation	
Document No.	: 3320-023-00591
Prepared by	: CDM
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Date Prepared	: October 7, 2010

Bi-Weekly Progress Report No. 10

Phase 1 – Wells Installation

1.0 Introduction

Pursuant of the Work Assignment Form (WAF) Statement of Work (SOW), for Region 2 Contract EP-W-09-002 Work Assignment 023-RARA-02PE, CDM Federal Programs Corporation (CDM) is performing the Phase 1 (Wells Installation) Remedial Action (RA) at the Old Roosevelt Contaminated Groundwater Area Site. The Bi-Weekly Progress Report is intended to partially fulfill the requirements specified under WAF SOW for this assignment. This Bi-Weekly report is prepared for the work performed from September 7 to September 17, 2010.

The primary responsibility of the project geologist was to oversee the well development and testing activities to ensure that the work meets all requirements of the final Remedial Design specifications and is performed by the Subcontractor in accordance with all applicable quality assurance, health and safety, and regulatory requirements.

The work performed during this reporting period includes: setup for the sustained yield test; conducting the sustained yield test; demobilization from the sustained yield test; a cultural resources survey investigation; cleaning of Frac tanks; demobilization of equipment from the site. This work is summarized in further detail below. A list of the supporting documentation attached with this bi-weekly progress report is as follows:

- Attachment 1 - CDM's Daily Status Report
- Attachment 2 - CDM's Field Log Book Notes
- Attachment 3 - Chain of Custody
- Attachment 4 - Photo Log

2.0 Personnel On-Site

The following personnel were on site during this reporting period:

CDM - Contractor

Frank Robinson	Project Geologist
Sean O'Hare	Project Scientist
Thomas Mathew	Site Manager
Mike Ehnot	Project Geologist
John Dougherty	Project Geologist
Alan Hunter	Project Scientist
Ed Kulkusky	Field Technician

Uni-Tech - Driller

Butch Hitzelberger	Head Driller
Brad Barnes	Driller
Bob Baer	Driller

Intex – Temporary Water Treatment System

Todd Daniel, Keith Fitzgerald, Joe Kmiecik

Richard Grubb Associates

Sharon White (Team Leader), Michael Insetta, Tara Dos Santos, Adrienne Jarczewski, Dave Strohmeier, Alexis Platvoet.

Seacoast Environmental

Gene Streiter

Network Environmental Solutions

Mark Kumorek, Bolek Ciechanowicz

3.0 Summary of Work Performed

The following is a brief summary of the field activities performed during this reporting period (refer to Attachments 1, 2, 3 and 4 for Daily Status Report, log book notes, chain of custody and photo log, respectively for each working day):

- Site Mobilization/Demobilization
 - Intex removed their 60 Kw generator and 20 foot storage container from the site.
 - Unitech removed the fencing from the extraction well area and the temporary water treatment area. Both areas were power washed.
 - Seacost subcontractor Adler removed two frac tanks from the temporary water treatment area, completing the removal of all IDW rental equipment from the site.
 - Uni-tech demobilized all of their equipment from the site.
- Setup for Sustained Yield Test
 - Synoptic water level measurements were collected from the monitoring wells on the site.
 - The MOSDAX data logger was installed in well SVP-5.
 - Water-level transducers were reprogrammed to the proper data-logging intervals for the test.
 - Manual water level indicators were placed in the vent tubes at wells GWP-10 and GWP-11 to monitor water levels during the sustained yield test.
- Sustained Yield Test
 - The sustained yield test was started at 10:30 AM on 9/7/2010. Flow rates were 70 gpm at wells EW-1S and EW-1I, and 110 gpm at well EW-1D. The total flow rate was 250 gpm, meeting the maximum capacity of the treatment system. Constant flow rates were maintained.
 - Equipment was periodically inspected and data were periodically downloaded from the transducers to ensure it would not be lost due to equipment malfunction. Additionally, flow rates and water levels in the extraction wells GWP-10 and GWP-11 were both monitored. Monitoring was performed continuously for the full 72 hour test duration, including overnight.
 - The sustained yield test was ended at 10:30 on 9/10/10. All pumps were stopped simultaneously.
 - Samples were collected from each extraction well and from the combined flow.

- Samples EW-Total-B, EW-Total-B-F, EW-1S/Y-B, EW-1S/Y-B-F, EW-1I/Y-B, EW-1I/Y-B-F and EW-1D/Y-B, EW-1D/Y-B-F were collected between 08:30 and 09:55. The samples were shipped to the DESA laboratory by FedEx for Saturday delivery.
- Water levels in GWP-10 and GWP-11 were monitored manually at 120 minute intervals following recovery until approximately 17:00.
 - All final transducer data were downloaded.
- Extraction Well Disinfection
- Uni-Tech disinfected the three extraction wells using calcium hypochlorite granules mixed with city water. Uni-Tech calculated the concentration needed as 1.67 pounds per 1,000 gallons of water. The calcium hypochlorite was mixed in the tender's 2,000 gallon tank by circulating the mixture using a trash pump. The solution was then pumped down each well through the pipe and submersible pump previously installed for the pump tests. The following was used to disinfect each well:
 - EW-1S: 4.16 pounds of calcium hypochlorite mixed with 2,500 gallons of water.
 - EW-1I: 5.72 pounds of calcium hypochlorite mixed with 3,400 gallons of water.
 - EW-1D: 6.68 pounds of calcium hypochlorite mixed with 4,000 gallons of water.
 - Unitech pumped the three extraction wells until free of residual chlorine as indicated by a testing kit. Water was pumped into the influent frac tanks and subsequently to the temporary water treatment system.
- Demobilization from Sustained Yield Test
- Transducers and data loggers were removed from the wells and decontaminated.
 - Temporary above ground casings at SVP-2 and SVP-4 were removed.
 - Submersible pumps were removed from EW-1S, EW-1I, and EW-1D. Additionally the manifold, meters, and hoses were disassembled.
 - The Inner and outer casings of all three extraction wells were cut just below grade. Extraction wells were sounded and found to be sediment free. Depths:
 - EW-1S: 275.5 ft. bgs
 - EW-1I: 345 ft. bgs
 - EW-1D: 415.5 ft. bgs
 - Steel plates were welded on top of all three extraction wells and secured with rebar at each corner. The rebar was then welded to the steel plate.
- Cultural Resources Investigation
- Richard Grubb Associates (RGA), the cultural resources subcontractor, completed shovel test-pits along the influent pipeline right of way from the emergency access road to the front of the GWP area, and inside the fenced area surrounding the GWP wells.
 - RGA checked the local library for cultural resources information about the study area.
- Temporary Water Treatment System
- The chlorinated water from extraction well decontamination was neutralized in the influent Frac tanks by adding Johnson Screen NW-500 chlorine neutralizer before

pumping the water into the treatment system. The volume of water pumped out of each well was: EW-1S = 4,000 gallons; EW-1I = 7,000 gallons and EW-1D = 22,200 gallons.

■ Tank Cleaning

- Seacoast and NES pumped out and cleaned the two frac tanks used for the temporary water treatment system. The liquids were pumped into a 6,000 gallon vacuum provided by FCI. Tank cleaning was performed under a confined space permit, and tank atmosphere was monitored during cleaning. Approximately 5,200 gallons of water and sediment were removed from both tanks.

■ Health and Safety

- A tailgate H&S meeting was conducted each day before the start of work activities.

4.0 Problems/Corrective Action

The flow meter for GWP-10 malfunctioned during the sustained yield test. Dougherty contacted Frank Koch of Garden City and informed of the problem, and arranged for a replacement meter. The meter was not replaced during sustained yield testing.

5.0 Deviations

No deviations were noted for this reporting period.

6.0 Conclusions

All RA construction work was completed in general accordance with RA Subcontract Documents and approved construction submittals.

ATTACHMENT 1
DAILY STATUS REPORT

Daily Status Report

PROJECT: Old Roosevelt Field Site

Date: 09-07-10

Day: 86 (Tuesday)

WEATHER: Clear, Sunny
TEMP: 90's
WIND: Gentle, from the South

PERSONNEL ONSITE			
CDM :	John Dougherty, Alan Hunter, Mike Ehnot, and Frank Robinson		
Uni-Tech:	Bob Baer, Butch Hitzelberger, Brad Barnes		
Intex:	Todd Daniels		
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
No visitors			
EQUIPMENT IN USE:			
- Deere 310E backhoe.			
- 60 Kw Generator			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
WORK BEING INSPECTED:			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
TESTING PERFORMED:			
- A synoptic round of water level measurements were collected from monitoring wells at the site. Transducers were reprogrammed in some wells in advance of the start of the sustained yield test.			
- The MOSDAX data logger was set up at well SVP-5 and logging at this well was resumed at 1 minute intervals.			
- The power supply at well SVP-10 was changed and data logging continued at this location. The data logging was set to a 30 second interval for the star of the test. About 8 hours are the start of the test data logging was set to 1 minute intervals.			
- Manual water level indicators were placed in the vent tubes at wells GWP-10 and GWP-11 to monitor water levels during the sustained yield test.			
- The sustained yield test was started at 1030. The flow rates are 70 gpm at wells EW-1S and EW-1I and 110 gpm at well EW-1D. The combined flow rate is 250 gpm, the maximum that the treatment system can handle.			

Daily Status Report (Continued)

PROJECT: **Old Roosevelt Field Site**

- Samples were collected from wells EW-1S, EW-1I, EW-1D, and from the combined flow of all three wells. These samples were shipped to the DESA laboratory for analysis.
- Ehnot and Hunter departed site at 1230 and will monitor water levels at GWP-10 and GWP-11 overnight, with 1 person from UTD, from 1900 to 0700 on 9/8/10.
- The sustained yield test will continue until Friday at 1030 when pumping will stop and recovery will begin.

PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:

GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED:

COMMUNICATION WITH CONTRACTOR STAFF:

MEETING:

ADDITIONAL ACTIVITIES AND REMARKS:

By: John Dougherty

Title: Field Team Leader

Daily Status Report

PROJECT: Old Roosevelt Field Site

Date: 09-08-10

Day: 87 (Wednesday)

WEATHER: Clear, Sunny
TEMP: 90's
WIND: Steady, from the North

PERSONNEL ONSITE			
CDM :	John Dougherty, Frank Robinson (day shift) and Mike Ehnot, Ed Kulkusky, and Alan Hunter (night shift)		
Uni-Tech:	Bob Baer, Butch Hitzelberger, Brad Barnes		
Intex:	Todd Daniels, Keith Fitzgerald, and Joe Kmiecik		
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
No visitors			
EQUIPMENT IN USE:			
- Deere 310E backhoe.			
- 60 Kw Generator			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
WORK BEING INSPECTED:			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
- Kulkusky reviewed and signed off on the site health and safety plan.			
TESTING PERFORMED:			
- The sustained yield test started at 1030 on 9/7/10 continued. From 1900 to 0700, Ehnot and Hunter monitored the flow rates and water levels in the extraction wells and wells GWP-10 and GWP-11. Dougherty and Robison worked the day shift from 0700 to 1900. Constant flow rates are being maintained, The flow rates are 70 gpm at wells EW-1S and EW-1I and 110 gpm at well EW-1D. The combined flow rate is 250 gpm which is the maximum that the treatment system can handle.			
- The flow rate on well GWP-11 is being monitored using the instantaneous reading flow meter installed near the well. The flow meter at well GWP-10 is not working. Dougherty phoned Frank Koch to inform him that the meter was not working and to request that it be fixed if possible before the end of the test.			
- Kulkusky arrived on site to work the overnight shift on 9/8 to 9/9. Hunter departed the site.			
- Data were downloaded from well SVP-10 and from wells MW-1S and MW-1I for review.			
- Supplies and equipment were checked to ensure readiness for final sample collection on Friday 9/10.			

Daily Status Report (Continued)

PROJECT: **Old Roosevelt Field Site**

<ul style="list-style-type: none">- Robinson visited the infiltration basin where treated water from the aquifer test is being discharged. Nothing unusual was observed.- UTD and Intex personnel are splitting the around the clock work into three 8 hour shifts.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: <ul style="list-style-type: none">- Plastic drinking water bottles are being collected for recycling.
COMMUNICATION WITH CONTRACTOR STAFF:
MEETING:
ADDITIONAL ACTIVITIES AND REMARKS:

By: John Dougherty

Title: Field Team Leader

Daily Status Report

PROJECT: Old Roosevelt Field Site

Date: 09-09-10

Day: 88 (Thursday)

WEATHER: Partly Cloudy

TEMP: 70's

WIND: Steady, from the North

PERSONNEL ONSITE			
CDM :	John Dougherty, Frank Robinson (day shift) and Mike Ehnot, Ed Kulkusky (night shift)		
Uni-Tech:	Bob Baer, Butch Hitzelberger, Brad Barnes		
Intex:	Todd Daniels, Keith Fitzgerald, and Joe Kmiecik		
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
	Thomas Matthew	CDM	
EQUIPMENT IN USE:			
- 60 Kw Generator			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
- The backhoe was demobilized from the site by Uni-Tech.			
WORK BEING INSPECTED:			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
.			
TESTING PERFORMED:			
- The sustained yield test started at 1030 on 9/7/10 continued. From 1900 to 0700, Ehnot and Kulkusky monitored the flow rates and water levels in the extraction wells and wells GWP-10 and GWP-11. Dougherty and Robison worked the day shift from 0700 to 1900. Constant flow rates are being maintained, The flow rates are 70 gpm at wells EW-1S and EW-1I and 110 gpm at well EW-1D. The combined flow rate is 250 gpm which is the maximum that the treatment system can handle.			
- The Mosdax data loggers at SVP-5 and SVP-10 were checked and both instruments are functioning properly and the power supply is adequate.			
- Robinson and Matthew visited the infiltration basin where treated water from the aquifer test is being discharged. They located a second discharge to the basin which may be where the treated water from the treatment system is being discharged.			
- UTD and Intex personnel are splitting the around the clock work into three 8 hour shifts.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: - Plastic drinking water bottles are being collected for recycling.
COMMUNICATION WITH CONTRACTOR STAFF:
MEETING:
ADDITIONAL ACTIVITIES AND REMARKS:

By: John Dougherty

Title: Field Team Leader

Daily Status Report

PROJECT: Old Roosevelt Field Site

Date: 09-10-10

Day: 89 (Friday)

WEATHER: Partly Cloudy

TEMP: 70's

WIND: Steady, from the North

PERSONNEL ONSITE			
CDM : John Dougherty, Alan Hunter, Frank Robinson (day shift) and Mike Ehnot, Ed Kulkusky (night shift)			
Uni-Tech: Brad Barnes (11 - 7), Butch Hitzelberger (7 - 3),			
Intex: Todd Daniels, Keith Fitzgerald, and Joe Kmiecik			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
- 60 Kw Generator			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
WORK BEING INSPECTED:			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
- Dougherty conducted a tailgate health and safety briefing with Hunter to review the hazards associated with sample collection and how to mitigate them. Sample are being preserved with HCl, HNO3, H2SO4, and NaOH so safety glasses and nitrile gloves must be worn during sample collection and handling.			
TESTING PERFORMED:			
- The sustained yield test started at 1030 on 9/7/10 continued until 1030 am on Friday 9/10 at which time pumping was stopped at all three wells simultaneously. From 1900 on 9/9 to 0700 on 9/10, Ehnot and Kulkusky monitored the flow rates and water levels in the extraction wells and wells GWP-10 and GWP-11. Dougherty, Hunter, and Robinson took over at 7 am.			
- Samples EW-Total-B, EW-Total-B-F, EW-1S/Y-B, EW-1S/Y-B-F, EW-1I/Y-B, EW-1I/Y-B-F and EW-1D/Y-B, EW-1D/Y-B-F were collected between 0830 and 0955. The samples were shipped to the DESA laboratory by FedEx for Saturday delivery.			
- The MOSDAX data loggers at SVP-5 and SVP-10 were checked and data from both instruments was downloaded on the evening of 9/10.			
- Data were also downloaded in the evening from wells EW-1S, EW-1I, and EW-1D.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

- Water levels in wells GWP-10 and GWP-11 were monitored manually for 2 hours following recovery and at 120 minute intervals until about 5 pm at which time the water level indicators were removed from each well and the vents, which had been removed to allow access for the water level indicators, were reinstalled at each well. A phone message was left with Frank Koch, Garden City water department, to inform him that we were done using GWP-10 and GWP-11 and had removed our equipment.

- Data logging was halted on the transducer installed in well SVP-11 and data were downloaded from the transducer. The depth to water in the well was checked and the transducer was removed from the well. The well was secured. One pumping port remains open in this Westbay well and will have to be closed the next time the well is sampled.

PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:

GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED:

- Plastic drinking water bottles are being collected for recycling.

COMMUNICATION WITH CONTRACTOR STAFF:

MEETING:

ADDITIONAL ACTIVITIES AND REMARKS:

By: John Dougherty

Title: Field Team Leader

Daily Status Report

PROJECT: Old Roosevelt Field Site

Date: 09-13-10

Day: 90 (Monday)

WEATHER: Partly Cloudy/showers
TEMP: 62/71
WIND: Light from the NE

PERSONNEL ONSITE			
CDM : John Dougherty, Sean O'Hare and Frank Robinson			
Uni-Tech: Butch Hitzelberger			
Richard Grubb Associates: Sharon White (Team Leader), Michael Insetta, Tara Dos Santos, Adrienne Jarczewski, Dave Strohmeier, and Alexis Platvoet.			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
- 60 Kw Generator			
-Tender truck			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
- Robinson worked with Uni-Tech. Dougherty and O'Hare worked on removing transducers from wells and demobilizing equipment from the site.			
Uni-Tech disinfected the three extraction wells using calcium hypochlorite granules mixed with city water. Uni-Tech calculated the concentration needed as 1.67 pounds per 1,000 gallons of water. The calcium hypochlorite was mixed in the tender's 2,000 gallon tank by circulating the mixture using a trash pump. The solution was then pumped down each well through the pipe and submersible pump previously installed for the pump tests. The following was used to disinfect each well:			
EW-1S: 4.16 pounds of calcium hypochlorite mixed with 2,500 gallons of water.			
EW-1I: 5.72 pounds of calcium hypochlorite mixed with 3,400 gallons of water.			
EW-1D: 6.68 pounds of calcium hypochlorite mixed with 4,000 gallons of water.			
- In-Situ transducers were removed from wells EW-1S, EW-1I, EW-1D, SVP-2, SVP-3, SVP-4, and SVP-9. Decontamination and data download from these transducers has to be completed.			
- The temporary above ground casings at SVP-2 and SVP-4 were removed. Screws on the well lids were replaced. Screws were also replaced at the lid for well SVP-3. The protective casings are rusty so it was necessary to try to remove the rust and to use the screws to try to clean out the threads.			
- Data logging was halted and data were downloaded from the Mosdax box at well SVP-5. The five Westbay transducers from well SVP-5 were then removed from the well one-by-one. Transducers and cables were decontaminated and stowed for return to Westbay.			
- Data logging was halted and data were downloaded from the Mosdax box at well SVP-10. The five Westbay transducers from well SVP-10 were then removed one-by-one. Transducers and cables were decontaminated and stowed for return to Westbay.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

- Richard Grubb Associates (RGA), the cultural resources subcontractor, began work at the site. They completed shovel test pits along the influent pipeline right of way from the emergency access road to the front of the GWP area. Some of the required testing inside the fenced area surrounding the GWP wells was also completed. The local library was checked for cultural resources information about the study area. RGA expects to complete their field work on 9/14/10.

- Equipment and supplies were demobilized from the site trailer and returned it to the CDM warehouse in Edison, NJ. The only supplies and equipment left onsite are needed to complete transducer demobilization. These items will be removed when the In-Situ transducers are removed.

WORK BEING INSPECTED:

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:

- Robinson conducted a tailgate health and safety meeting with Uni-Tech. Topics covered were: slip trips and falls, use of safety vests due to proximity to traffic and use of eye protection and gloves while handling the calcium hypochlorite granules.

- Dougherty conducted a health and safety briefing with RGA personnel. The site health and safety plan was reviewed and RGA personnel signed off on the plan. Key topics covered included traffic safety, use of high visibility vests when working along the influent pipeline right-of-way, and, since work will be done in brush at the site, biological hazards including plants, animals, and insects..

TESTING PERFORMED:

PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:

GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED:

- Plastic drinking water bottles are being collected for recycling.

COMMUNICATION WITH CONTRACTOR STAFF:

MEETING:

ADDITIONAL ACTIVITIES AND REMARKS:

By: John Dougherty

Title: Field Team Leader

Daily Status Report

PROJECT: Old Roosevelt Field Site

Date: 09-14-10

Day: 91 (Tuesday)

WEATHER: Clear

TEMP: 58/76

WIND: Light from the NW

PERSONNEL ONSITE			
CDM : Frank Robinson			
Uni-Tech: Butch Hitzelberger, Brad Barnes and Bob Baer			
Richard Grubb Associates: Sharon White (Team Leader), Michael Insetta, Tara Dos Santos, Adrienne Jarczewski, Dave Strohmeier, and Alexis Platvoet.			
Intex: Todd Daniel			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
- 60 Kw Generator			
-Tender truck			
-Smeal 5 ton Pump Truck			
-Service Truck			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
-Uni-tech pumped the three extraction wells until free of residual chlorine as indicated by a chlorine testing kit. The water was pumped through the temporary water treatment system into the storm drain and then into the Nassau County recharge basin #124. The chlorinated water was neutralized in the Frac tank by adding Johnson Screen NW-500 chlorine neutralizer before going through the treatment system. The volume of water pumped out of each well was: EW-1S = 4,000 gallons; EW-1I = 7,000 gallons and EW-1D = 22,200 gallons.			
-Uni-Tech pulled the pipe and submersible pumps out of EW-1S and EW-1I.			
- Richard Grubb Associates (RGA), the cultural resources subcontractor, completed the work at the site. They finished shovel test pits along the influent pipeline right of way at the front of the GWP area and the required testing inside the fenced area surrounding the GWP wells.			
WORK BEING INSPECTED:			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
- A tailgate health and safety meeting was held with Uni-Tech. Topics covered were: slip trips and falls and use of safety vests due to proximity to traffic.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

TESTING PERFORMED:
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: - Plastic drinking water bottles are being collected for recycling.
COMMUNICATION WITH CONTRACTOR STAFF:
MEETING:
ADDITIONAL ACTIVITIES AND REMARKS:

By: Frank Robinson

Title: Project Geologist

Daily Status Report

PROJECT: Old Roosevelt Field Site

Date: 09-15-10

Day: 92 (Wednesday)

WEATHER: Clear

TEMP: 58/72

WIND: Light from the NW

PERSONNEL ONSITE			
CDM : Frank Robinson and Ed Kulkuski			
Uni-Tech: Butch Hitzelberger, Brad Barnes and Bob Baer			
Intex: Todd Daniel			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
-Tender truck			
-Smeal 5 ton Pump Truck			
-Service Truck			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
-Uni-Tech completed the following tasks:			
-Removed the pipe and submersible pump from EW-1D.			
-The manifold, meters and hoses used for the pump tests were disassembled and removed.			
-The 3 extraction wells inner and outer casings were cut to just below grade and stainless steel covers were welded to the tops of the inner casings			
-Steel plates were installed on top of the three extraction wells and secured with rebar at each corner driven 2 feet down and welded to the top of the steel plate. The welds were ground flush to the steel plate and the corners rounded off.			
-The three extraction wells were sounded and found to be sediment free. The sounded depths were: EW-1S = 275.5 feet, EW-1I = 345 feet and EW-1D = 415.5 feet.			
-The data loggers previously removed from the monitoring wells and stored in the field trailer were decontaminated and brought back to the Edison office by Ed Kulkuski.			
-Intex's 20 foot storage container and 60 Kw generator were removed from the site.			
-The location of the 2 foot diameter outfall that is the discharge from the storm drain on Clinton Road was confirmed in recharge basin #124 by F. Robinson. Please see approximate location on map.			
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WORK BEING INSPECTED:			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: - A tailgate health and safety meeting was held with Uni-Tech. Topics covered were: slip trips and falls and use of safety vests due to proximity to traffic.
TESTING PERFORMED:
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: - Plastic drinking water bottles are being collected for recycling.
COMMUNICATION WITH CONTRACTOR STAFF:
MEETING:
ADDITIONAL ACTIVITIES AND REMARKS:

By: Frank Robinson

Title: Project Geologist

Daily Status Report

PROJECT: Old Roosevelt Field Site

Date: 09-16-10

Day: 93 (Thursday)

WEATHER: Overcast

TEMP: 49/70

WIND: Moderate from the SE

PERSONNEL ONSITE			
CDM : Frank Robinson			
Uni-Tech: Butch Hitzelberger, Brad Barnes and Bob Baer			
Seacoast: Gene Streiter			
Network Environmental Services (NES): Mark Kumorek and Bolek Ciechanowicz			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
-Tender truck			
-Service Truck			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
-Uni-Tech completed the following tasks:			
-Removed the extraction well area and temporary water treatment area fencing. The fencing was temporarily stored on the Nassau County median property and will be picked up next Wednesday.			
-Cleaned up and then power washed the extraction well and temporary water treatment areas.			
-Seacoast and NES pumped out and cleaned out the two frac tanks used for temporary water treatment system. The liquids were pumped into a 6,000 gallon vacuum provided by FCI. The interior cleaning work was done using a power washer under a confined space permit. Both tanks atmosphere were tested before the worker entered the tank. The readings for both tanks were: O2 = 20.8%, CO = 0 ppm, H2S = 0 ppm and VOC's = 0 ppm. Approximately 5,200 gallons of water/sediment was removed from both tanks. Adler will remove both tanks tomorrow.			
-Intex moved the water treatment trailer to the staging area late yesterday.			
WORK BEING INSPECTED:			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
- A tailgate health and safety meeting was held with Uni-Tech. Topics covered were: slip trips and falls and use of safety vests due to proximity to traffic.			
-A tailgate H&L meeting was held with Seacoast and NES. Topics covered were slip, trips and falls and the use of proper PPE and equipment while cleaning the interior of the Frac tank done under a confined space permit.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

TESTING PERFORMED:
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED:
COMMUNICATION WITH CONTRACTOR STAFF:
MEETING:
ADDITIONAL ACTIVITIES AND REMARKS:

By: Frank Robinson

Title: Project Geologist

Daily Status Report

PROJECT: Old Roosevelt Field Site

Date: 09-17-10

Day: 94 (Friday)

WEATHER: Overcast
TEMP: 66/71
WIND: Light from the NW

PERSONNEL ONSITE			
CDM : Frank Robinson			
Uni-Tech: Butch Hitzelberger, Brad Barnes and Bob Baer			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
-Tender truck			
-Service Truck			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
-Uni-Tech completed the following tasks:			
-Cleaned up around the 2 Frac tanks removed today.			
-Final cleanup/demobilization of equipment in the staging area.			
-Uni-Tech completely demobilized all of their equipment.			
-Adler removed the 2 Frac tanks from the temporary water treatment area. This completes the removal from the site of all of the IDW rental equipment.			
-F.Robinson met with Mr. Charlie Caioppo (Treeline) and performed final inspection of the extraction well and temporary water treatment areas. Mr. Caioppo did not have any complaints on the final condition of the two areas.			
WORK BEING INSPECTED:			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
- A tailgate health and safety meeting was held with Uni-Tech. Topics covered were: slip trips and falls and use of safety vests due to proximity to traffic.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

TESTING PERFORMED:
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED:
COMMUNICATION WITH CONTRACTOR STAFF:
MEETING:
ADDITIONAL ACTIVITIES AND REMARKS:

By: Frank Robinson

Title: Project Geologist

ATTACHMENT 2
FIELD LOGBOOK NOTES

Old Roosevelt Field 9/6/10

USEPA/ Aquifer Test
Notes By Dougidenty

Plan for day: Mob to site for
aquifer test on 9/7.

Protection: Level D.

Weather: Clear, sunny.

Personnel: Dougidenty.

Equipment: None.

1348 Depart home for Edison.

1524 Arrive at warehouse.

- pick up coolers & sorbent pads

1552 Arrive at office.

- drop off expense report.

- complete annual review.

1651 Depart office for ORF.

1807 Arrive at staging area

at ORF. Unload coolers,

load for Monday morning.

1837 Finish loading/unloading

at trailer. Set for work on

Monday morning.

1839 Gate secured.

AND on 9/6/10

Location Old Roosevelt Field 9/7/10

Project / Client Aquifer Test / EPA

Notes By Dougidenty

0700 Dougidenty, Brian Hunter,
Frank Robinson & Mike Elmer
meet at staging area. Review

plan for day. Robinson &

Elmer proceed to do water levels.

Dougidenty & Hunter proceed to set

up weather equipment.

0725 Conn. up SVP-5.

0734 at SVP-10 to set up

weather equipment.

0744 SVP-10.

Battery SVP-10B 12.72V -

This battery has been on line for

1 week.

Stop logging.

Download data.

Check Battery SVP-10A: 12.99V.

Clear data after verifying

it is complete.

Set up data collection at

30 sec. intervals SVP-10.

Change battery.

Start logging.

0825 Start data collection.

AS 9/7/10

Old Roosevelt Field 9/7/10
Aquifer Test/USEPA

Notes by Doug Harty

0900 Setup MusDATA/Wentham at
SVP-5.

- Battery SVP-5A voltage 12.95

0902 Equipment set up.

0912 MusDATA set up to log data
at 1 minute intervals at
SVP-5.

0936 Setup at EW for Test
start.

- Doug Harty + Hunter proceed to
GWP-10 + 11 to set up for
manual observations.

- Elmer + Robinson set up EW
transducers.

1000 Request help from Butch
to access GWP-10 vent.

- Install water level indicator
in GWP-11. Brief Hunter on what
to do.

- Doug Harty proceed to GWP-10
to do manual observations.
Water level indicator in vent
tube.

1030 Start sustained yield test.

JDH 9/7/10

Location Old Roosevelt Field 9/7/10. 87
Project / Client Aquifer Test/USEPA
Doug Harty

GWP-11 lithologic log. Inside
pump house for GWP-11. Drilled 1952

0-40	Sand + Gravel
40-81	Sand, gravel + clay
81-166	Sand, hard streaks + clay
166-235	Sand + gravel
235-252	Sand + clay
252-276	Soft clay + sand
276-281	Sand + gravel
281-306	Streaks of sand + clay
306-319	Sand, gravel + clay
319-332	Sand + gravel
332-342	Clay
342-408	Sand, gravel, + clay
363	
363-408	Sand + gravel.

- Flow rates are 110 gpm on EW-10,
90 gpm on EW-15 + EW-11.

- Doug Harty relieved by Elmer
at GWP-10.

- Check on work by Hunter. Correct

JDH 9/7/10

Old Roosevelt Field 9/7/10
 Aulfer Test / US EPA
 Notes by DORRIS

some mistakes on log, readings
 ok.

1245 Return to EW area.

Check on flow rates. OK.

Brief Bob Bear from UTD
 on Health & Safety. Bob Bear
 remarks signed HBSO.

1230 Enter & Exit off site.

DORRIS proceed to get ice &
 sample bottles for first yield
 test sample.

1330 Break for lunch.

1350 Return to EW area. Prep
 for sampling.

1402 Prep ice for sample coolers

1429 Ice prepped for sample
 collection.

1430 Check sample bottles.

1443 Proceed to get filters

1515 Collect sample EW-Total-A
 + EW-Total-A-Dup from
 Combined flow. PH Check:

DORRIS

Location Old Roosevelt Field 9/7/10 89
 Project / Client Aulfer Test / EPA
 Notes By DORRIS

Location	Analyte	Pres.	pH	du?
EW-TOTAL A	N-N	H ₂ SO ₄	<2	✓
	N-N m3/m3	"	<2	✓
VOCs	Cy	NaOH	>12	✓
NCl	TAL Met.	HNO ₃	<2	✓
NO	TAL Met.	HNO ₃	<2	✓
Check pH	Filtered			
	H	HNO ₃	<2	✓
	O&G	Ice	—	—
	TTA	Ice	—	—

EW-TA Total				
A-DUP	N-N	H ₂ SO ₄	<2	✓
	Cy	H ₂ SO ₄	<2 >12	✓
VOCs	TAL Met.	HNO ₃	<2	✓
NCl	TAL Met.	HNO ₃	<2	✓
NO	Filtered			
Check pH	H	HNO ₃		
	O&G	Ice	—	—
	TTA	Ice	—	—

1615 Collect sample EW-IS-Y
 A + EW-IS-YA-F.
 1650 Collect sample EW-II-YA
 + EW-II-YA-F.

DORRIS

Project / Client: Aquifer Testing / USEPA

NOTES BY DONALD

10/15/154 VORADAM
Loc. Random. Preser. pH OK?
 EW-11-YA TAL Met. H₂NO₃ 52 ✓
 ↓
 CY NaOH 712 ✓
 VOCs HCL — —

EW-II-VA-F Tol/Met HNO_3 -2 ✓

1710 Collect Sample EW-1D-Y-A

✓ EW-10-Y-A-F

Loc.	Param.	Preserv.	pt	OK?
EW-10/VA	VOCs	HCL	-	-

✓	TAL Met.	LiNO_3	<2	✓
✓	Cv	NaOH	>12	✓

CUV-10/VA	Tal	HNO ₃	<2	✓
- F	Mut.			

<u>Loc.</u>	<u>Param.</u>	<u>Presen.</u>	<u>pH</u>	<u>chk?</u>
EW-1514-A	VOCs	HCl	<2	—

↓	TALM.	HNO_3	42	✓
	CU	NaOH	712	✓

EW-15/Y-AF -DUP	TEL NET	HNO ₃	< 2	✓
--------------------	------------	------------------	-----	---

ELW-15/Y-AF Tol LND₃ < 2 ✓

ice at staging area packing
samples. 3 colors.

Total A Dup + VCs

$$D \propto \text{Total } A$$

Maug

Project / Client *Harper Testing / 10558A*

NOTES BY DEBENTY

SV I NOVOC.

1945 Drop 4 Samples at FedEx.

2016 Check SVP-10. Present

Data Collection to sampling at
1 min. intervals

546 Daughter of stepn day.

Explot, Hunter + Bob Bear (UTD)

Plan for day 1 Complete synoptic
round of water level measurements

4) reprogram transducers as needed. 3) setup SVP's.

4) Charge power supply at 5VP-10 + reprogram sampling

Yield test 4) Collected samples

at EW-15, EW-17, EW-18
+ EW-19 TOTAL A _____

Personel on site COM: DOWNGHANTY,
Robinson Hunter Stuart

RUSSIAN, RUSKIN, UNCLE
 LTD: Bob Baer, Bitch, Hitzberg
 Ind

Old Roosevelt Field

9/7/10

Aquifer Test / EIS

NOTES By Dougherty

+ Brad Barnes. ENTER: TBOO

Daniels + overnight help.

Level of Protection: D.

Equipment in Use: YSI meter.

See page 5.

Loc. T. (C) Cond^(ms) (cm) DO^(mg) pH (SU) ORP (mV) Turb. (NTU)
 OBSERVATION By Frank
 Combined Robinson w/ YSI (see p 5)
 Flow

1500 16.04 0.448 6.66 4.62 226.7 0.46

1505 16.01 0.448 5.20 4.58 229.1 0.44

1510 16.05 0.448 4.57 4.58 230.4 0.48

EW-1S

1545 17.58 0.628 6.25 4.53 228.9 0.33

1530 17.58 0.628 5.20 4.51 233.4 0.44

1600 17.52 0.626 4.68 4.49 240.5 0.48

1610 17.47 0.623 4.48 4.49 245.4 0.46

EW-1I

1635 16.02 0.359 5.13 4.75 216.4 0.58

1640 16.04 0.358 3.62 4.67 221.8 0.45

EW-1D

1700 14.65 0.334 4.36 4.71 218.2 0.41

1705 14.60 0.334 3.54 4.66 222.3 0.73

END at 5/6/10

93

Location Old Roosevelt Field

9/8/10

Project / Client Aquifer Test / EPA

NOTES By Dougherty AND

Plan for Day: 1) Continue aquifer

foot at Ew wells 2) Get

names of all ENTER personnel

3) Call Grace re sanding.

4) Call pipe to take some

equipment off rental.

5) Check supplies for Friday

sampling. 6) Download data

from MW-1S + MW-1I.

7) Put water quality datam

log book. 8) Check water level

data records for manuals for

at GWP wells 9) Call Koch

re flow meter at GWP-70

Personnel on site CDM: Dougherty

+ Robinson. UTD: Hitzelberger

ENTER: Todd Daniels, Keith Fitzgerald,

+ Joe Kmiecik.

Equipment in Use: None.

Protection: Level D.

Weather: Sunny 80's light rain

in AM. END 9/8/10

Old Roosevelt Field 9/8/10
Project / Client: Acropu Test / USEPA
Notes By: Donaherty

0830 Meet Frank Robinson at GWP wells. Check records. Problem in records on GWP-10 - elapsed time is off but actual date & time were recorded.

0845 Proceed to EW area. Mark up data collection form for GWP-10 + 11.

0930 Ed Kulkusky on site.

1000 Keith Fitzgerald, Joe Kimiecik working over night for Intrex.

1030 Take water level readings at GWP-10 & GWP-11.
- Meet Pete Maniscalco, Nassau Co DPLU Hydrographer. He can provide data from County / NOAA weather station at GWP well field.
- Pickup ice.

1140 At trailer. Check sampling supplies.

1230 Take water level readings at ~~GWP-10~~ + GWP-10
J. Donaherty 9/8/10

95
Location: Old Roosevelt Field 9/8/10
Project / Client: Acropu Test / USEPA
Notes By: Donaherty,

+ GWP-11

0942 Return to EW area.

- Drop Lee Majors keys in Frank's mail box 1430 reading.

- Proceed to trailer. Check supplies for sampling, prep. equipment.

1315 Depart staging area.

1320 Lunch.

1400 Call Frank Koch re barometer at GWP-10. Left message.

1509 Discuss sampling w/ Grace - DESA is ok. Return to trailer to print DFCR. Requested new cell phone to replace work cell which is not working.

1517 Done at trailer.

- Return to EW area. Give Frank new phone number.

- Return to hotel to work.

1620 At hotel - review email, work on other projects.

1730 Return to site to download data from MW-15 + MW-1E.

1817 At EW area.

J. Donaherty 9/8/10

Old Roosevelt Field

Date 9/9/10

Project / Client

Aquifer Test / USEPA

NOTES By Doug Doughterty

1833 Kniecik, Joe at treatment plant from INTX.

- Brief Ed on water level readings.

- Download data from wells EW-15, EW-11 + EW-10.

1859 Download data from well MW-11.

1905 Data downloaded from well MW-15.

1915 SVP-5. Check battery. 9/9/10 13.2V ok.

Download data.

1930 Doughterty depart site for day.

$4.9 + 2 + 1.7 = 8.6$.

~~Ennot, Bob Bear~~ 9/9/10

Mike Ennot + Ed Kulkusky - COM + Bob Baer UTD on site for overnight shift.

9/9/10

Doughterty

Location

Old Roosevelt Field

Date

9/9/10

Project / Client

Aquifer Test / USEPA

NOTES By Doug Doughterty

Close Doughterty onsite. Frank Robinson onsite. Relieve Night Shift: COM: Ennot + Kulkusky; UTD: Brad Barnes (relieved by Bob Bear at +2300.) 9/9/10. Buck Hitzelberger, UTD, relieve Barnes.

Plan for Day 1) Continue sustained yield test at EW-15, 11 + 10.

2) Renew data for prelim. evaluation. 3) Get 5m's on WLI in use at GWP wells. 4) Check QAPP. Level of Protection: Level 10.

Personnel onsite Day Shift:

Doughterty + Robinson - COM. Hitzelberger 7-3. - Bear 3-11 in UTD. Overnight: 7pm-7am Ennot + Kulkusky - COM + Barnes UTD.

Equipment in Use: Water level indicators - see page 5 for details - see p 98 for list

5) Reprieve 807 poly in HNO₃.

6) Collect manual obs from GWPX-10019 + GWPX-10020.

Location Old Roosevelt Field Date 9/9/10
 Project / Client Aquifer Test / EPA
 Notes By Doug Ketch.

Location	Type	S/n
EW-15	Solinst 101	Pine # 05125
EW-7I	"	" 7105
EW-10	"	" 06797
GWP-10	Solinst 102	4402
GWP-11	"	5125
		200503

0702 Work on paper work at EW Area.

0750 Joe Evans, UTD, on site to remove backhoe.

0801 Frank Robinson returns to EW area after working in trailer.

Plan for Day (cont'd)
 7) Check SVP-5.

0830 Check water levels in EW.
 0846 DTW 31.75 @ GWX-10019
 ref pt. top of Jamitony Seal.

DTW 32.16 ft. BGS at
 Gwx-10019.

0855 DTW 27.62 ft. top of San Seal
 J. D. K. 9/9/10

Location Old Roosevelt Field Date 9/9/10
 Project / Client Aquifer Test / EPA
 Notes By Doug Ketch.

at SVP - on 9/9/10 Gwx-10020.
 0900 Doug Ketch departs site to get computer working - unable to log in. Get breakfast.

0955 At hotel to get online.
 - work w/ Help Desk to correct access problem.
 - get new phone, work on activating phone.

- work on other projects
 1512 Check in w/ Frank Robinson.
 Call 150k. Thomas Matthew m/sk
 in about 1 hr.

1645 Return to EW area.

1656 DTW Gwx-10019 31.81
 top of San Seal.
 DTW Gwx-10019 32.22
 ft. BGS.

1745 DTW Gwx-10020 27.62
 ft. top of San Seal.

1712 Check SVP-5 status:
 - Data logging on. Mem used 38%
 - Battery 12.8 V. - Case secure.
 - J. D. K. 9/9/10

Location Al Roosevelt Field Date 9/9/10
Project / Client Pump test / USEPA
Notes By Dougherty

1719 SVP-10 Data logging: ON
memory used: 37%

Battery 13.2 v. Case secure.

1737 Check data at GWP-10
+ GWP-11. Data collection
looks good. ~~Not~~ No noticeable
randomness due to our pumping
at EW-15, 15+10. Both
wells show change in water
level. GWP-10 cycles on &
off. GWP-11 runs constantly
by the water level rises &
falls regularly, probably due
to on/off cycling of GWP-10.

1800 Return key to Frank
Robinson. Depart site.

1934 Dougherty shows Kulkusky
location of Gwx-10015 + Gwx-
10020. Water level readings
from both wells at 0100.
Dougherty relinquishes logbook
to Ed Kulkusky.

am
9/9/10
9/9/10

Location CLA Roosevelt Field Date 9/9/10 101
Project / Client Aquifer Test USEPA

2000 Ed Kulkusky takes over
Log Book.

9/10/10 at 0057 HOURS

31.28 at Gwx-10019

0104 27.11 at Gwx 10020

0630 - NOTHING ELSE TO REPORT

Signing The Log Book Back over
to John Dougherty. ~~Ed Kulkusky~~

Notes by JN Dougherty.

0700 Dougherty onsite at staging
area. Meet Alan Hunter. Conduct
H&S briefing re work plan & fn
key. Collect samples, samples
preserved w/ acid, wear gloves &
safety glasses. Provide safety
glasses to Hunter. Discuss importance
of having 2 persons lift coolers.

0730 Depart staging area to pick
up ice.

0800 Proceed to EW area &
prep ice + fn sampling.

Frank Robinson on site. Butch
Hilfberger, UTD + Todd Daniels
INTER on site.

JN Dougherty 9/10/10

Old Roosevelt Field 9/10/10

Project / Client: Aquifer Test / USEPA
NOTES BY: DOLLORENTY

0230 Collect sample EW-Total-B
+ EW-Total-B-F

SAMPLE	Analysis	Pres.	pH	ok?
EW-Total-B-F	TAL Met.	HNO ₃	< 2	✓

EW-Total-B
TAL Met. HNO₃ < 2 ✓

Cyanide NaOH > 12 ✓ ^{am 9/10/10}

N-N H₂SO₄ < 2 ✓

H HNO₃ < 2 ✓

OC ICE - -

TTA ICE - -

VOCs HCl < 2 -

0900 Collect sample EW-15/4-B
+ EW-15/4-BF

Loc.	Analysis	Pres.	pH	ok?
EW-15/4-B	VOC	HCl	< 2	✓

-3 pH check done on VOC vial
filled w/ blank water. am 9/10/10

Cy NaOH > 12 ✓

TAL Met. HNO₃ < 2 ✓

EW-15/4-BF
TAL Met. HNO₃ < 2 ✓

END 9/10/10

103

Location: Old Roosevelt Field 9/10/10
Project / Client: Aquifer Test / USEPA
NOTES BY: DOLLORENTY

~~EW-11~~

0930 Collect sample EW-11/Y +
EW-11/Y-F

0955 Collect sample EW-10/Y
+ EW-10/Y-F

SAMPLE	Analysis	Pres.	pH	ok?
EW-11/Y	TAL Met.	HNO ₃	< 2	✓

Cy NaOH > 12 ✓

VOCs HCl < 2 -

EW-11/YF TAL Met. HNO₃ < 2 ✓

EW-10/Y TAL Met. HNO₃ < 2 ✓

Cy NaOH > 12 ✓

VOCs HCl < 2 -

EW-10/YF TAL Met. HNO₃ < 2 ✓

1010 Frank Robinson does final
readings at GWP-10 + GWP-11.

1030 Stop at sustained well
Test. Begin recovery. Consistent

with Monitor GWP-10 + GWP-11,
respectively. Robinson Monitor

* added 30 drops of NaOH
to each Cyanide sample Total
15 + 11 + 10 to raise pH to 12.

Location Old Roosevelt Field Date 9/10/10
 Project / Client Aquifer Test / USEPA
 Notes By Don Montgomery

EW recovery.

1230 Don + City + Hunter finish
 2 hrs of readings at GWP-10 +
 GWP-11. Return to EW area.
 Meet in PR. Don + City + Hunter
 Hunter proceed to get lunch + work
 on samples.

1330 Check out of hotel.

- Work on packing samples at Hunter.
 - prep ice, prepare COCs using PZL.

1500 Sample prep. at trailer
 Cooler #1: 10 YB, 10 YBF
 11 YB, 11 YBF EW Total H+N

Cooler 2: Total, VCs, trip
 15 YB, 15 YBF.

1600 Frank Robinson signs off on
 COCs. Departs site

Don + City + Hunter check
 samples against COC for
 completeness. One COC for
 each cooler.

1630 Proceed to GWP-10/11 to
 make final reading + pull WLD
 FR Don 9/10/10

Location Old Roosevelt Field Date 9/10/10
 Project / Client Aquifer Test / USEPA

Notes By Don Montgomery

Call from Thomas - update on status.

- Richard Grubbs + Assoc.
- Karen. H + S Brief.
- Access to GWP area.
- Look at 1/2 size drawing.
- Survey along route of pipeline
 + site of treatment plant.

110 x 40

pipe out to at depth to water.

1700 Take final readings at
 GWP-10. Reinstall Vent.

1715 Take final readings at
 GWP-11. Reinstall Vent.

1723 Call Frank Koch at
 GARDEN City + left a message
 re we are done at GWP well,
 vents reinstalled. Equipment
 removed.

1720 Drop in 2 Sample Coolers
 at Fed Ex. Airbill No.
 8735-3385-5012.

1752 at EW Area to take
 Comm equipment.

1812 Time packing up equipment
 FR Don 9/10/10

Location Old Russell Field Date 9/10/10
 Project / Client Aviation Test / ERT
 Notes By Donna Keth

- Plan to enter decont site.
 1820 Check SVP-10. Download
 data from SVP-10. Reset
 logging rate to every 10
 minutes.

1827 Download data from SVP-10
 transducer S/N 134984
 in EW-1D.

1834 Set up SVP-10 to start
 logging at 10 min intervals
 at 1840.

Battery 13.1 v.

1842 Downloaded data from
 EW-1S + EW-1I transducers.

1851 Finished at EW area. Gates
 secure.

1856 At SVP-11 to pull transducer

1908 DTW 30.89 ft bgs.
 at SVP-11. Stop logging on
 SVP-11. Download data.

1916 at SVP-11, transducer
 removed. Well secure. Depart
 site.

1925 At trailer to unpack eq.
 In Don'ts 9/10/10.

Location Old Russell Field Date 9/10/10
 Project / Client US EPA / Aquifer Test
 Notes By Donna Keth

2008 At SVP-5. Battery
 12.7 v. Download data.

2030 Finish at SVP-5. Weather
 secure for week end.

Plan for Day: 1) Continues sustained
 yield test until 1030am. 2) Stop
 test at 1030 - Monitor recovery.
 3) Collect B-Y sample at end of
 sustained yield pumping.
 4) Monitor GWP wells during recovery,
 pull WLI + reinstall vents.

5) Take down equipment at EW area.

6) Download data from SVP-10 + 5.

7) Reprogram SVP-10 to collect
 data at 0.5 min intervals.

Weather - Sunny, 70's

Personnel on site: Overnight: Elinot,
 Kulikowski (COM), Barnes (UTD)
 + INTEX operator. Day: Donna Keth
 + Robinson + Hunter COM. Litzelberger
 UTD + Daniels - INTEX.

Equipment & Use: VSI + WL
 Indicators - see page 5.
 Level of Protection: D.

In Don'ts 9/10/10.

Location Old Roosevelt Field Date 9/10/10
 Project / Client Bunker Tot / EPA
 Notes: Dougerty

2150 - 2230 - Prep DSR + Email to
 lab re-samples
 2230 Depart Roosevelt for home.

AK 9/10/10

Location Old Roosevelt Field Date 9/12/10
 Project / Client Bunker Tot / EPA
 Notes: Dougerty

Plan for 9/13/10:

- 1) Pull SVP-3 in Main Parking lot.
- 2) Pull XDS in EW-15, II + 10.
- 3) Pull SVP-2, open flush mount.
- 4) Pull SVP-4, open flush mount.
- 5) Pull SVP-5
- 6) Pull SVP-10
- 7) Pick trailer
- 8) Pull XDS from Maus as time allows.

AK 9/10/10

ORF 9/13/10
Project / Client: Drake Felt/EPA
Dougherty

0700 Dougherty onsite. Robinson
onsite

0700 S. Core onsite.

0752 EW-1S DTW is 34.48'
top of black plastic pipe
Pressure: 27.56 psi,
63.62 ft. water.

0806 EW-1I DTW is 35.2
top of black plastic
pipe. Pressure is
29.25.49, ft. of water 68.06
9/13/10. ~~68.06~~ 9/13/10

0813 EW-1D. DTW 36.05.
pressure: 29.57
ft. H₂O: 68.29

Final TFM readings
EW-1D 1490326.5
↓ 1I 334970.0
↓ 1S 338522.8

* battery was dead for several
hrs. Fixed 9/13/10

Location ORF 9/13/10
Project / Client: Aquifer Test/EPA
Dougherty

Combined flow 18869 GPH.

0900 SVP-3 DTW 31.6 TIC
pressure 8.01, ft. H₂O 18.48
Stop test. Remove X.D.

0915 ~~Remove~~ an 9/13/10. Meet w/
Richard Grubb + Assoc.

Prismel at Garden City wells,
Sharon D. White, Team leader.
Crew: Michael Lissetta, Insetta

Tara Dos Santos
Arienne Jarczewski
Dave Strohmeyer
Alexis Platvoet

Conduct Heath + Salty
briqing. Review drawings
of pipe line + treatment
building area w/ Sharon White.
0940 At SVP-4 to remove
X.D. duces.

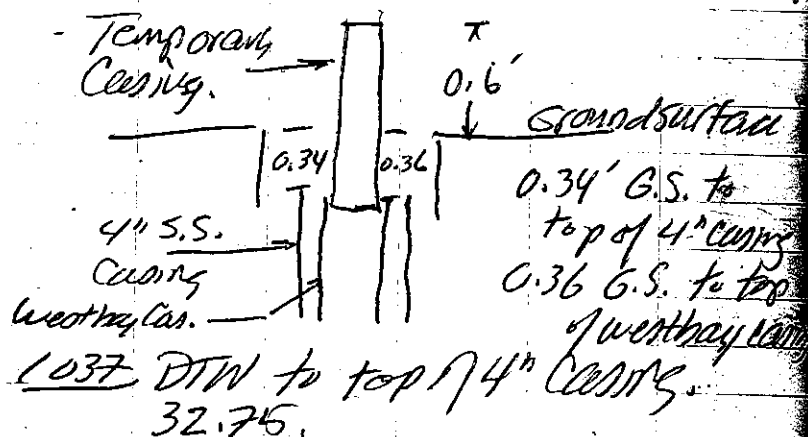
DTW 33.78 33.78
Pressure: 6.14
ft. H₂O: 14.19

Stop test. Remove X.D.
Fixed 9/13/10.

Location ORF Date 9/13/10

Project / Client Aquifer Test
Duckburg

SVP-4 Temporary casing.



1104 SVP-9

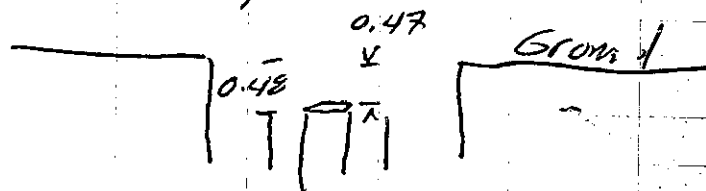
DTW 32.65

Pressure 6.56 psi

Depth H₂O 15.14

Stop Test, Remove XO.

SVP-9



DTW 33.12 ft. bgs.

ADW 5/13/11

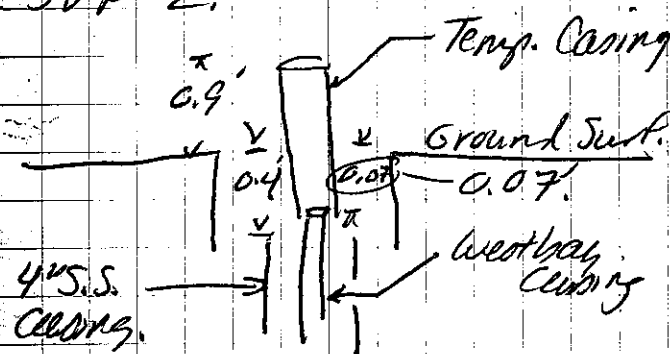
Location ORF Date 9/13/10

Project / Client Aquifer Test
Duckburg

1120 Meeting Sharon White, RGA + walk effluent + influent lines. Discuss need a offset line at Duckburg manhole opposite Avalon Rd. Call Thomas. Discuss situation with him re offset on test line. He is OK w/ offset.

Depart RGA work area during winter R.L.

SVP-2.



DTW - 33.67 top of temp casing

Pressure 6.43 psi

Depth H₂O 14.88 ft. H₂O

Stop Test, pull XO.

DTW 32.72 top of wellbore

ADW 5/13/11

ORF

Date 9/13/10

Aquifer Test
DOW/ENR

1235 Done at SVP-2. Unable to get screws back into lid. Called Bud in Butch to see if he has top.

1248 Check in Butch - he does not have top.

1250 Lunch.

1320 At Lowe's to p.u. supplies.

1350 At SVP-4 to try to secure well cap. Bolt holes are re-cut.

141407 Done at SVP-2. Lid secured w/ 2 bolts. 3rd bolt hole is broken. Left traffic cone on well because it's westbay casing is a little loose & pushes up against the lid keeping it from closing completely.

Proceed to SVP-5.

1415 At SVP-5. Setup & shut down & remove transducers. Check status. Data logging on. 5480 mem. used. Batteries 12.7V. Data downloaded.

IN DOW/ENR 9/13/10

ORF

9/13/10

Aquifer Test
DOW/ENR

1723 Finished removing transducers from SVP-5. Proceed to SVP-10.

1730 Set up at SVP-10 to remove westbay XDS. removing

1757 Start downloading westbay XDS.

1820 Stop work at SVP-10 due to thunder in area.

1830 Rain shower starts.

1850 Off toiler. Begin packing items for trailer demob.

191413 Sharon White: Completed line along influent line; completed part of testing inside fenced back half of treatment area where GUP tunnels are. Shovel test pits.

1913 Done with Troll SM

137226 Well was installed in well IS.

Test. on. ~~Demob of trailer~~
Complete demob of trailer contents.

Return to SVP-10 to complete removal of transducers.

IN DOW/ENR 9/13/10

ORF

9/13/11

Aquas Test
Doubtless2200 Complete removal of
Westbay transducers from
SVF-10.- Return to trailer, pack up
Westbay supplies.

2230 Depart site for Edison.

2030 Arrive in Edison at
Warehouse. Doubtless - O'Hare
unload equipment.0100 Depart warehouse for
Home. Doubtless - O'Hare.AM
9/13/11

JRS 9/13/11

Location

ORF

9/14/10

Project / Client

Aquas Test
Doubtless1000 Depart Princeton NJ.
Return Westbay Equipment to
EarthData - Exton PA.

1140 Arrive at EarthData.

Download data from CRABDOR

2000. Unload equipment.

1943 Depart EarthData for home.

1800 Arrive home.

AM
9/14/10

Doubtless 9/14/11

Location ORF

Date ^{mon} 8/30/10

Project / Client RA/EPA

Water levels / Setting up for step test

0550- E. Robinson at Woodbury office doing
Paperwork + copying logs

0630- At Staging area

Clear 68° wind calm

0735- John Dougherty (Con) on site

0800- H&S tailgate meeting

1025- Uni-Tech on site

Butch Hatzelburger + Brad Burner,

1035- Tailgate H&S meeting

1200- Have been collecting water level
data w/ J.D. since 0800 this morning.

1530- At Garden City walks w/ Butch
collecting water level data from the
2 production wells

1615- Leaving the site

8/30/10

Fred H.

Location ORF

Date ^{mon.} 9/13/10

Project / Client RA/EPA

Churning EW's

0635- E. Robinson on site

Light Rain, 62°, wind light + variable

0705- John Dougherty (Con) on site

0715- Sean O'Hare on site: both will
be pulling transducers out of wells today,
- Butch A. (Uni-Tech) on site

0720- Tailgate H&S meeting

0745- John + Sean pulling transducers
from the Extraction wells.

0800- Uni-Tech calculation for churning
extraction wells:

EW-1S: Depth 270' 4.16 lbs mixed
with 2,500 gallons of water

EW-1F: Depth 360' 5.72 lbs with
3,400 gallons of water

EW-1O: Depth 415' 6.68 lbs mixed with
4,000 gallons of water.

Churn is calcium hypochlorite - 65%
Mixture will be pumped down the
pipe w/ pump attached at the bottom, all
at ~ 150' down.

0820- Data logger out of EW's.

0835- Removed check-valves from
EW's.

FR 9/13/10

Location ORF

MON
9/13/10
JE

Project / Client RALEPA

Chlorinating EW's

0855: 1.62 lbs / 1,000 gal of water or
3.34 lbs / 2,000 gal (1 tanker load)
0905 - Mixing 1st load of chlorine, mixing
in tanker w/ trash pump. 3.34 lbs.

- Starting to rain

0920 - Chlorine mixed, Pumping down EW-25
through the pipe and through submersible
pump.

1020 - Filling up tanker w/ water

1045 - Starting to pump 2,000 gal into EW-11

1105 - Finished pumping 2,000 gal into EW-11

1110 - Getting next tanker load of water.

1130 - Pumping 500 gallons into EW-15

1135 - Finished pumping 500 gallons into EW-15

this completes pumping 2,500 gal. into EW-15

- Starting to pump 1,400 gallons into EW-11

1155 - Finished pumping 1,400 gal into EW-11

this completes pumping 3,400 gal. into EW-11.

- going to refill tanker.

1220 - Starting to pump 2,000 gal into EW-10

1255 - Finished pumping 2,000 gal into EW-10

- Going to refill tanker - last load.

1310 - Called Rob Suarez (Natural Fence): will

remove fence on MON 9/20/10.

JE

Location ORF

MON
9/13/10

Project / Client

RALEPA

Chlorinating EW's

1345 - Starting to pump fuel 2,000 gallons
into EW-10

1440 - Finished pumping 2,000 gal into EW-10
total of 4,000 gallons.

1500 - Leaving the site

9/20/10
Rob Suarez

Project / Client RAL/EPN

Pumping EWs / Pulling EW Pumps

0635 - F. Robinson + Butch H. (Uni-Tech) on site
Clear 58° winds calm

0640 - Tailgate H&S meeting

0812 - Starting to pump EW-15 @ 100 GPM
to ~~get~~ pump out residual chlorine from well.

0830 - Inter on site - Todd Daniel.

0850 - Testing EW-15 for chlorine using a
pool chlorine testing kit - No residual chlorine
in water. Chlorine level at start $> 2^3$ ppm.

0852 - Stopped pumping after 4,000 gallons.

0915 - Starting to pump EW-10 @ 100 GPM
to pump residual chlorine from well.

Chlorine level @ start > 3 ppm

0800 - Richard Grub Associates on site:

Sharon White (Team Leader), Michel Insetta,
Taryn De Santos, Adrienne Jurewicz, Rene
Strohmeier, and Alexis Petrov

finishing up cultural resources survey.

0955 - Bob Buer + Brad Barnes - Uni-Tech on site

1000 - Tailgate H&S meeting.

1025 - No residual chlorine at EW-10. Shutting
pump down. Pumped 7,000 gallons.

1030 - No residual chlorine after treating water

w/ Johnson Screens NW-500 Chlorine
JR 9/14/10

Project / Client RAL/EPN

Pumping EWs / Pulling EW Pumps

neutralizer before discharge to storm drain

1055 - R&A Assoc. leaving the site

1100 - Starting to pump EW-10 at 185 GPM
to pump out residual chlorine from well.

Chlorine level at start > 3 ppm

1105 - Note: Uni-Tech brought their
service truck and Smeal 5 Ton pump
truck to pull submersible pumps + pipe
from extraction wells.

1120 - Called Rob Suarez - Nation Fence
will pick up fence next Wed 9/22/10
Will call to confirm on Tues.

1200 - Setting up Smeal 5 Ton to remove
EW-15 pipe + pump.

1225 - Starting to pull pipe out of EW-15.

1255 - No residual chlorine at EW-10

1300 - Shutting down pump @ EW-10
pumped 22,200 gallons.

1305 - All pipe and pump pulled out of EW-15.

1410 - Setting up Smeal 5 Ton to remove
pipe + pump from EW-11.

1415 - Running EW-10 to flush frac tank out

1425 - Starting to remove pipe + pump
from EW-11

JR 9/14/10

Location ORF

Tues

Date 9/14/10Project / Client RA/EPAPumping EWs / Pulling EW Rigs

1430- EW-10 pump off to flush frac tank

1500- Spike to Deana & Mod space

681- 752 9427, will pick up

Trailer on Thurs 9/12/10

1515- All pipe and sub pump out of EW-11

1545- Leaving the site

1615- Back at the site, Uni-Tech's truck
broke down on the way back to their
hotel. Drove one of them back to thesite to pick up Smear so they could
have a vehicle to drive to the hotel

1630- leaving again.

9/14/10
F. Robinson

Location ORF

Wed

Date 9/15/10Project / Client RA/EPAPulling EW-10 Pump / Demobbing

0635- F. Robinson on site

Clear 59° winds calm

0730- Uni-Tech on site

Butch H., Brad B., Bob B.

0735- Tailgate H&S meeting

Service truck repaired - Fixed last night

0740- Setting up Smear S Ton on EW-10

0745- Todd Daniel - Intex on site

0820- Starting to pull pipe for EW-10

0935- Finished removing pipe & pump for EW-10

1020- Went into Nassau Co. Recharge barn

#124 confirmed that small outfall

~2' diameter is the outfall for the storm drain
to the west of the 5' diameter outfall1030- Uni-Tech removing meters & manifold
and cleaning up area1055- Intex's storage container and 60kw
generator were picked up and removed from
the site1145- Ed Kulkuski (com) decommissioning
and bringing back to Edman the
data loggers previously pulled from the meters.

9/15/10

F. Robinson

Location ORF

Wed
Date 9/15/10

Project / Client RA/EPA

Sounding Ew's / Demobbing

1240. The 3 Extraction wells were
Sounded and were found free of
Sediment. EW-18 = 275.5' EW-21 =
345' EW-10 = 415.5'

1250. Starting to weld covers on Ew's

1305. Ed K. Leary the site

1325. Securing steel plates ^{FL} over Ew's
using rebar hammered down ~ 2' then
welded to the plates.

1530. Uni-Tech leaving the site

1545. F. Robinson leaving the site

9/16/10
Junk

Location ORF

Thurs
Date 9/16/10

Project / Client RA/EPA

Demobbing

0635. F. Robinson on site

Partly Cloudy 55° wind calm

- The temporary water treatment trailer was
moved to the staging area late yesterday
after we left the site

- Uni-Tech on site: Brad H., Brad Bob B.

- Gene Streiter - SeaCoast on site

- 0645. Tailgate H&S meeting

0705. Mark Kumorek

Bolek Ciechanowicz

for Network Environment Solutions (NES)

0710. Tailgate H&S meeting w/ SeaCoast

and NES - They have a confined space

permit, emphasized testing air and

make sure to have harnesses + safety lines

0715. SeaCoast/NES prep'g to clean

both frac tanks and Uni-Tech cleaning

up extraction well (Ew) area

0750. FCI 6,000 gal vac tanker on site

0755. Air inside back frac tank tested

O2 = 20.8%, CO = 0, H2S = 0, VOC = 0

0810. Pumping out water from rear vac tank

0830. Cleaning out rear tank with
a power washer.

JK 9/16/10

Demobbing

0940. EW area finally all removed. All bags being stored on grass area.
- 0935- finished cleaning rear frac tank, man out of tank
- 0950- Tested air in front frac tank
 $O_2 = 20.8\%$ $CO = \emptyset$ $H_2S = \emptyset$ $VOC = \emptyset$
- 1010- Fence removed by temp. water treatment area.
- 1100 Front frac tank finished cleaning. pumped a total of 5,200 gallons.
- 1105- Washing down ^{EW} area
- 1115- WES leaving the site
- 1125- FCI vac truck leaving the site
- 1135- Gene S. leaving the site - Adler will pick up both frac tanks tomorrow morning.
- 1330- Finished washing down asphalt from EW area to Temp water treatment area.
- Everything cleaned up, only things left are 2 frac tanks and 2 piles of fencing.
- 1450- Leaving the site

9/16/10
 Frank M

Demobbing

- 0635- F. Robinson on site
- Overcast / Drizzle 67° winds calm
- heavy rain / T-Storm late yesterday
- Uni-Tech on site: Butch H. Brad B. Bob B.
- 0640- Adler already hooked up the frac tanks, signed release form
- 0645- Frac tanks leaving the site
- 0650- Uni-Tech cleaning up area where 2 tanks were.
- 0830- Uni-Tech leaving the site
- 0915- Met w/ Charlie Caroppo (Tree Line) both areas, extraction well and temp water treatment, as acceptable. Told him fencing will be removed next Monday and trenching work will start in the Spring
- 0940- F. Robinson leaving the site
- 1005- At Woodbury off, demobbing some equipment and copying log book and logs.

9/17/10
 Frank M

**ATTACHMENT 3
CHAIN OF CUSTODY**



USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case:

R

Client No:

Region: 2	Date Shipped: 9/10/2010	Chain of Custody Record	Sampler Signature:	
Project Code:	Carrier Name: FedEx			
Account Code:	Airbill: 873533855012		Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID: NYSFN0204234	Shipped to: DESA		1	
Spill ID: PE	Laboratories/USEPA		2.	
Site Name/State: Old Roosevelt Field/NY	2890 Woodbridge Avenue	3.		
Project Leader: Frank Robinson	Building # 209	4.		
Action: Remedial Action	Edison NJ 08837			
Sampling Co: CDM	(732) 906-6886			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
EW-1D/Y-B	Groundwater/ Frank Robinson	L/G	TAL metals (21)	(HNO3) (1)	EW-1D/Y-B	S: 9/10/2010	9:55	--
EW-1D/Y-BF	Groundwater/ Frank Robinson	L/G	TAL Met (21)	(HNO3) (1)	EW-1D/Y-BF	S: 9/10/2010	9:55	--
EW-1I/Y-B	Groundwater/ Frank Robinson	L/G	TAL metals (21)	(HNO3) (1)	EW-1I/Y-B	S: 9/10/2010	9:30	--
EW-1I/Y-BF	Groundwater/ Frank Robinson	L/G	TAL Met (21)	(HNO3) (1)	EW-1I/Y-BF	S: 9/10/2010	9:30	--
EW-Total-B	Groundwater/ Frank Robinson	L/G	H (21), N-N (21)	(H2SO4), (HNO3) (2)	EW-Total-B	S: 9/10/2010	8:30	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
H = Hardness-, N-N = Nitrate/Nitrite, TAL Met = Filtered TAL Metals, TAL metals = Total TAL Metals & Hg			

TR Number: 2-334176893-091010-0001

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:

R

DAS No:

Region: 2	Date Shipped: 9/10/2010	Chain of Custody Record	Sampler Signature:
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 873533855012		
CERCLIS ID: NYSFN0204234	Shipped to: DESA		
Spill ID: PE	Laboratories/USEPA		
Site Name/State: Old Roosevelt Field/NY	2890 Woodbridge Avenue	Relinquished By (Date / Time)	Received By (Date / Time)
Project Leader: Frank Robinson	Building # 209	1	
Action: Remedial Action	Edison NJ 08837	2.	
Sampling Co: CDM	(732) 906-6886	3.	
		4.	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
EW-1D/Y-B	Groundwater/ Frank Robinson	L/G	Cy (21)	(NaOH) (1)	EW-1D/Y-B	S: 9/10/2010	9:55		--
EW-1I/Y-B	Groundwater/ Frank Robinson	L/G	Cy (21)	(NaOH) (1)	EW-1I/Y-B	S: 9/10/2010	9:30		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: Cy = Cyanide	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-334176893-091010-0002

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case:

R

Client No:

Region: 2	Date Shipped: 9/10/2010	Chain of Custody Record	Sampler Signature:	
Project Code:	Carrier Name: FedEx			
Account Code:	Airbill: 873533855012		Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID: NYSFN0204234	Shipped to: DESA		1	
Spill ID: PE	Laboratories/USEPA		2.	
Site Name/State: Old Roosevelt Field/NY	2890 Woodbridge Avenue	3.		
Project Leader: Frank Robinson	Building # 209	4.		
Action: Remedial Action	Edison NJ 08837			
Sampling Co: CDM	(732) 906-6886			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
EW-1D/Y-B	Groundwater/ Frank Robinson	L/G	TCL-VOC (21)	(HCL) (3)	EW-1D/Y-B	S: 9/10/2010	9:55	--
EW-1I/Y-B	Groundwater/ Frank Robinson	L/G	TCL-VOC (21)	(HCL) (3)	EW-1I/Y-B	S: 9/10/2010	9:30	--
EW-1S/Y-B	Groundwater/ Frank Robinson	L/G	TAL metals (21), TCL-VOC (21)	(HCL), (HNO3) (4)	EW-1S/Y-B	S: 9/10/2010	9:00	--
EW-1S/Y-BF	Groundwater/ Frank Robinson	L/G	TAL Met (21)	(HNO3) (1)	EW-1S/Y-BF	S: 9/10/2010	9:00	--
EW-Total-B	Groundwater/ Frank Robinson	L/G	O/G (21), T-T-A (21), TAL metals (21), TCL-VOC (21)	(HCL), (HNO3), (Ice Only) (6)	EW-Total-B	S: 9/10/2010	8:30	--
EW-Total-B-F	Groundwater/ Frank Robinson	L/G	TAL Met (21)	(HNO3) (1)	EW-Total-B-F	S: 9/10/2010	8:30	--
TB091010	Trip Blank/ Frank Robinson	L/G	TCL-VOC (21)	(HCL) (3)	TB091010	S: 8/26/2010	7:00	Trip Blank

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
O/G = Oil and Grease, T-T-A = TDS, TSS, Alkalinity, TAL Met = Filtered TAL Metals, TAL metals = Total TAL Metals & Hg, TCL-VOC = SOM01.2 TCL VOC			

TR Number: 2-334176893-091010-0003

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:

R

DAS No:

Region: 2	Date Shipped: 9/10/2010	Chain of Custody Record	Sampler Signature:
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 873533855012		
CERCLIS ID: NYSFN0204234	Shipped to: DESA		
Spill ID: PE	Laboratories/USEPA		
Site Name/State: Old Roosevelt Field/NY	2890 Woodbridge Avenue	Relinquished By (Date / Time)	Received By (Date / Time)
Project Leader: Frank Robinson	Building # 209	1	
Action: Remedial Action	Edison NJ 08837	2.	
Sampling Co: CDM	(732) 906-6886	3.	
		4.	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
EW-1S/Y-B	Groundwater/ Frank Robinson	L/G	Cy (21)	(NaOH) (1)	EW-1S/Y-B	S: 9/10/2010	9:00		--
EW-Total-B	Groundwater/ Frank Robinson	L/G	Cy (21)	(NaOH) (1)	EW-Total-B	S: 9/10/2010	8:30		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: Cy = Cyanide	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-334176893-091010-0004

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ATTACHMENT 4
PHOTO LOG

PHOTOLOG

SITE NAME: OLD ROOSEVELT FIELD SITE

CAMERA # Olympus D-560

Photograph #	Description	Date/Time	Photographer
P1010182.jpg	Disinfection setup at EW-1S.	09-13-10	Frank Robinson

PHOTOLOG

SITE NAME: OLD ROOSEVELT FIELD SITE

CAMERA # Olympus D-560

Photograph #	Description	Date/Time	Photographer
P1010183.jpg	Uni-Tech pulling pipe and submersible out of EW-1S.	09-14-10	Frank Robinson

PHOTOLOG

SITE NAME: OLD ROOSEVELT FIELD SITE

CAMERA # Olympus D-560

[illegible]

PHOTOLOG

SITE NAME: OLD ROOSEVELT FIELD SITE

CAMERA # Olympus D-560

[illegible]

PHOTOLOG

SITE NAME: OLD ROOSEVELT FIELD SITE

CAMERA # Olympus D-560

Photograph #	Description	Date/Time	Photographer
P1010194.jpg	Extraction well area after cleanup, looking south.	09-17-10	Frank Robinson
P1010195.jpg	Three steel plates covering the extraction wells, EW-1S in foreground.	09-17-10	Frank Robinson
P1010196.jpg	Temporary water treatment area after cleanup, looking north.	09-17-10	Frank Robinson

PHOTOS 09-13-10



P1010182.jpg

Disinfection setup at EW-1S.

PHOTOS 09-14-10



P1010183.jpg

Uni-Tech pulling pipe and submersible pump out of EW-1S.

PHOTOS 09-15-10



P1010184.jpg

Submersible pump removed from EW-1D.



P1010185.jpg

2 foot diameter outfall in recharge basin #124.



P1010186.jpg

Welded stainless steel cover on EW-1D.



P1010187.jpg

Welded stainless steel cover on EW-1I.



P1010188.jpg

Welded stainless steel cover on EW-1S.



P1010189.jpg

Steel plates installed over extraction wells.

PHOTOS 09-16-10



P1010190.jpg

Pumping out and cleaning Frac tanks.



P1010191.jpg

Interior of cleaned front Frac tank.



P1010192.jpg

Extraction well area fence removed and asphalt power washed.



P1010193.jpg

Temporary water treatment area fence removed and asphalt power washed.

PHOTOS 09-17-10



P1010194.jpg

Extraction well area after cleanup, looking south.



P1010195.jpg

Three steel plates covering the extraction wells, EW-1S in foreground.



P1010196.jpg

Temporary water treatment area after cleanup, looking north.